Open Literature Review Summary

Chemical Name: Imidacloprid

CAS No: 138261413

Record Number and Citation:

Schmuck R., and Schoening,R., "Residue Levels of Imidacloprid and Imidacloprid Metabolites in nectar, blossom, pollen , and honey bees Sampled from a Summer Rape Field in Sweden and Effects of these Residue on Foraging Honeybees."

Summary of Study Findings:

This study was complies with good laboratory practices (GLP). Small honeybee hives were placed on flowering summer rape after seed drilling of imidacloprid. The treatment seed were dressed in Poncho 500 FS at concentrations of 5kg/ha. During full bloom control and treatment tents, were constructed on the plot. The two plots were next to one another. Samples of honeybees before and after exposure, nectar sampled by the bees, nectar found inside the plant, and rape blossoms were all below the level of quantitation of 0.01 mg/kg. The sample pollen collected by the bees was too minimal to analyze for imidacloprid, Olefin, or Hydroxy.

It was concluded that the bees where not negative effected by foraging on Summer Rape treated with imidacloprid seed dressing.

Rationale for Use:

Concentrations of imidacloprid were detected in the summer rape that the bees were foraging on.

Limitations of Study:

No effects seen after foraging process.